

ABSTRACT

A multi-axis interferometer includes a multiplexer portion and a beam splitter portion integrated into the same optically transmissive monolith. The multiplexer portion is configured to split an input beam into a corresponding plurality of intermediate beams, each of which is directed toward the beam splitter portion through a corresponding output port of the multiplexer portion. The beam splitter portion is configured to separate the intermediate beam into a measurement component and a reference component.